

IN THE CLAIMS:

Please cancel Claims 14 to 42 without prejudice or disclaimer of subject matter and amend the claims as shown below. The claims, as currently pending in the subject application, now read as follows:

1. (Currently Amended) A charger for generating hydrogen, ~~which is stored for storage~~ in a fuel tank of a fuel cell system, ~~by electrolyzing water in the fuel cell system; the charger being detachable from the fuel cell system, wherein the charger comprises~~ comprising:

water supply means that supplies water to the fuel cell system; and

power supply means that supplies electric power to a power intake electrode of the fuel cell system that takes in electric power for electrolyzing water supplied to the fuel cell system to generate hydrogen,

wherein the charger, not having an electrolyte membrane, generates hydrogen by electrolyzing water in the fuel cell system through use of an ion conductor included in a cell of the fuel cell system.

2. (Original) A charger according to claim 1, wherein a power supply port of the power supply means is connected to the power intake electrode of the fuel cell system in a state in which the power supply port and the power intake electrode are insulated from an outside.

3. (Original) A charger according to claim 1, wherein the power supply means includes:

a plug for obtaining AC power supply from an outside;

a DC converter for converting the AC power supply into a direct current;

a transformer for transforming DC power supply into a voltage matched to a charging voltage of the fuel cell system; and

a power supply port that supplies the transformed power supply to the power intake electrode of the fuel cell system.

4. (Original) A charger according to claim 1, wherein the water supply means comprises means that supplies water in a state in which the fuel cell system is immersed in the water.

5. (Currently Amended) A charger according to claim 1, wherein the water supply means comprises means that changes water into a mist state and supplies the water in the mist state to the fuel cell system.

6. (Original) A charger according to claim 1, further comprising a cooler that cools the fuel tank of the fuel cell system in a state in which the fuel cell system is attached to the charger.

7. (Original) A charger according to claim 1, further comprising a heater that heats a cell section of the fuel cell system in a state in which the fuel cell system is attached to the charger.

8. (Original) A charger according to claim 1, wherein the power supply means further includes power control means that controls electric power to be supplied to the fuel cell system.

9. (Original) A charger according to claim 8, wherein the power control means controls electric power to be supplied to the fuel cell system on the basis of a signal from a pressure sensor provided in the fuel tank of the fuel cell system.

10. (Original) A charger according to claim 1, further comprising valve control means that opens and closes a fuel supply valve provided in a fuel flow path, which introduces generated hydrogen to the fuel tank, on the basis of a signal concerning a pressure of hydrogen from a pressure sensor provided in the fuel tank of the fuel cell system.

11. (Original) A charger according to claim 1, further comprising a residual capacity detecting means that displays a residual amount of fuel in the fuel tank of the fuel cell system on the basis of a signal concerning a pressure of hydrogen from a pressure sensor provided in the fuel tank of the fuel cell system.

12. (Currently Amended) A charger for generating hydrogen, ~~which is stored for storage in a fuel tank of a fuel cell system, by electrolyzing water in the fuel cell system; the charger being detachable from the fuel cell system, wherein the charger comprises~~ comprising:

power supply means that supplies electric power to a power intake electrode of the fuel cell system that takes in electric power for electrolyzing water in the inside of the fuel cell system to generate hydrogen; and

power control means that controls electric power to be supplied to the fuel cell system by the power supply means on the basis of a signal from a pressure sensor provided in the fuel tank of the fuel cell system,

wherein the charger, not having an electrolyte membrane, generates hydrogen by electrolyzing water in the fuel cell system through use of an ion conductor included in a cell of the fuel cell system.

13. (Currently Amended) A charger for generating hydrogen, ~~which is stored for storage in a fuel tank of a fuel cell system, by electrolyzing water in the fuel cell system; the charger being detachable from the fuel cell system, wherein the charger comprises~~ comprising:

power supply means that supplies electric power to a power intake electrode of the fuel cell system that takes in electric power for electrolyzing water in the inside of the fuel cell system to generate hydrogen; and

valve control means that opens and closes a fuel supply valve provided in a fuel flow path, which introduces generated hydrogen to the fuel tank, on the basis of a

signal concerning a pressure of hydrogen from a pressure sensor provided in the fuel tank of the fuel cell system,

wherein the charger, not having an electrolyte membrane, generates hydrogen by electrolyzing water in the fuel cell system through use of an ion conductor included in a cell of the fuel cell system.

14. to 42. (Cancelled)